

JetPower

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JET-POWER 115/200-60



STATIC GPU, 115/200VAC, 400Hz, 60kVA ELECTRICAL.

PN 28.09.1156 NCM 8504.40.90

TECHNICAL DATA:

DOMESTICALLY MANUFACTURES STATIC ELECTRICAL POWER SUPPLY.

The Jet-Power 115/200-60 is an electric power supply for providing electrical power to 115/200VAC aircraft, such as jets, turboprops, and helicopters, parked on the ground. It has a three-phase 400VAC/60Hz input, a three-phase 115/200VAC, 400Hz, 60KVA output, and an optional 28VDC output.

It is a static frequency converter, for use in powering aircraft on the ground, based on power semiconductor devices;

It generates, through double AC-DC/DC-AC conversion, a three-phase sinusoidal output voltage at a frequency of 400Hz;

INPUT ELECTRICAL CHARACTERISTICS:

Supply voltage of 400VAC (FF), other voltages upon request;

Supply voltage tolerance of 15%;

Number of phases: 03 (Three-phase);

Network frequency: 60HZ;

Power factor at input: <0.8;

Total efficiency: <80%.

Available nominal power ratings: 30, 45, 60, 90, 120 and 180Kva. Others upon request;

Folha 01/02.

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SUPERSOM INDÚSTRIA E COMÉRCIO LTDA.
30550-150 - BELO HORIZONTE - MINAS GERAIS - BRAZIL
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OUTPUT ELECTRICAL CHARACTERISTICS:

Nominal power: 60kVA;
Output voltage waveform: Sinusoidal;
Technology employed: High-frequency PWM;
Nominal three-phase output voltage (FF): 200VAC;
Nominal three-phase output voltage (FN): 115VAC;
Output voltage frequency: 400Hz;
Output frequency tolerance (Crystal time base): < 0.1%;
Phase angle regulation $\pm 2^\circ$ in balanced loads;
Load power factor: From 0.8 to 1.0;
Crest factor: < 3;
Number of AC outputs: 1 output;
Output cable: 01 output cable, gauge 3x50+1x25mm², 10 meters long, with standard aeronautical female plug 115/200VAC, 400Hz, installed. Other lengths available upon request.

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CONTROLS:

On/Off button for the converter;
On/Off button for the consumer output;
Button to select the reading on the display between Voltage, Current and Frequency of the output;

PROTECTIONS:

Overcurrent protection at the input (Circuit breakers/Fuses);
Overcurrent or short-circuit protection at the output to the load (electronic limitation);
DV/DT protection in the power semiconductors;
Overtemperature protection in the power semiconductors, with inhibition upon reaching the temperature limit;
Undervoltage and overvoltage protection at the output to the load, with inhibition at the minimum and maximum limits;
Protection against phase failure at the power supply input;
Protection against overload at the AC output.

MEASUREMENT:

Features a DIGITAL Human-Machine Interface (HMI) display that allows for reading voltage, current, and frequency at the output, selectable via buttons on the panel.

Mobile mounting on a trailer, with tires and a towing rod with brakes.

Use: Indoor or outdoor use, with rain protection;

Forced cooling, with air filters;

Noise level: < 70dB at 2 meters distance;

Includes an isolation transformer at the output for the load;

Operating temperature: -40° to +55°C;

Relative humidity: 10 to 95%;

Output: 28Vdc, 200A nominal, 1500A peak, as an option;

Dimensions and weight: upon request, according to application and power required.

Folha 02/02.

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